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**Ruffa**

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(54) **DEVICE AND METHOD FOR PREVENTING  
 SUPERHEATING OF LIQUIDS IN A  
 MICROWAVE OVEN**

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(57) **ABSTRACT**

A safety device for reducing the likelihood of superheating  
 a liquid includes a transducer disposed on a support surface  
 proximate to a placed container containing a liquid. The  
 transducer generates a vibrational force in the container and  
 onto the liquid that creates nucleation within the liquid. The  
 nucleation allows the liquid to boil, thus preventing the  
 liquid from becoming superheated.

**3 Claims, 1 Drawing Sheet**

